

Claim Amendments

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

Claims 1-7. (Canceled)

Claim 8 (New): A process for the oligomerization of olefins in which an olefin is brought into contact with a catalyst system, comprising:

- a) at least one transition metal complex with a polydentate complexing ligand and
- b) an alkylaluminumoxane in such amounts that the molar ratio of aluminum:transition metal is greater than 10, wherein at least part of the amount of the transition metal complex is added continuously or in portions during the oligomerization.

Claim 9 (New): The process as claimed in Claim 8, wherein a partial amount of the transition metal complex is initially charged together with the alkylaluminumoxane and the molar ratio of aluminum:transition metal is reduced to less than half of the initial value by addition of at least one further partial amount of the transition metal complex.

Claim 10. (New): The process as claimed in Claim 9, wherein the initial molar ratio of aluminum:transition metal is greater than 100.

Claim 11. (New) The process as claimed in Claim 8, wherein the transition metal is chromium.

Claim 12. (New) The process as claimed in Claim 8, wherein said transition metal is complexed with a polydentate nitrogen containing complexing ligand.

Claim 13. (New) The process as claimed in Claim 12, wherein the complexing ligand comprises a 1,3,5-triazacyclohexane or 1,4,7-triazacyclononane skeleton.

Claim 14. (New) The process as claimed in Claim 12, wherein the alkylaluminumoxane is methylaluminumoxane.

Claim 15. (New) The process as claimed in Claim 8, wherein the oligomerization is conducted at a temperature ranging from 0 to 120° C.

Claim 16. (New) The process as claimed in Claim 8, wherein the oligomerization is conducted in an aliphatic hydrocarbon, halogenated hydrocarbon or aromatic hydrocarbon solvent.

Claim 17. (New) The process as claimed in Claim 8, wherein the oligomerization is conducted with an α -olefin having at least three carbons atoms.

Claim 18. (New) The process as claimed in Claim 8, wherein the oligomerization is conducted at a pressure ranging from ambient to 120 bar.

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Reply to the Office Action of August 9, 2006

Amendments to the Abstract

Please replace the existing abstract in favor of the new abstract attached to the end of this response.